

Kunal Passan

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EDUCATIONAL BACKGROUND

Shiv Nadar University, Delhi NCR <i>Bachelor of Technology in Computer Science and Engineering</i>	Aug. 2022 – Aug. 2026 CGPA – 7.4
Ramjas School, Pusa Road <i>PCM with Computer Science</i>	2021-2022 Percentage – 92%
Ramjas School, Pusa Road <i>Senior Secondary</i>	2019-2020 Percentage – 95%

INTERNSHIP EXPERIENCE

Front End Web Developer <i>Shadow Infotech Pvt. Ltd.</i>	May 2023 - July 2023 Noida, India
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- Designed and implemented 5+ responsive web interfaces using HTML5, CSS3, and JavaScript, ensuring 100% compatibility across 10+ browsers and devices.
- Developed 20+ dynamic, interactive elements for web applications using ReactJS, leading to a 30% increase in user engagement and a 25% improvement in functionality.
- Collaborated with a team of 5 UX/UI designers to translate visual concepts into functional online experiences, resulting in a 40% reduction in development time and a 20% boost in user satisfaction.

LIVE PROJECTS

- CereBRO** | *Nextjs, Expressjs, Postgres, Python, FastAPI, LangChain, Groq API, Pydantic*
- Co-developed CereBRO, an AI-driven adaptive learning platform designed to personalize educational content for neurodiverse students, including those with dyslexia, autism, and ADHD.
 - Integrated adaptive assessments, personalized learning paths, real-time feedback, video summaries, interactive flashcards, and adaptive quizzes using React, Node.js, LangChain, and FastAPI to enhance accessibility and engagement.
- PharmLink+** | *Nextjs, MongoDB, Expressjs, Solidity, Infura*
- Designed and implemented a blockchain system to enhance security and transparency in medical prescriptions.
 - Ensured tamper-proof, trackable prescriptions by utilizing smart contracts and decentralized ledgers for fraud prevention, data integrity, and regulatory compliance.
- Sentiment Analysis** | *Python, Selenium, Scipy, PowerBI*
- Developed and optimized a Python-based sentiment analysis algorithm utilizing machine learning to categorize real-time Twitter sentiments surrounding the G20 Summit.
 - Implemented natural language processing (NLP) techniques to accurately classify sentiment polarity (positive, negative, neutral) from live Twitter data streams.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript/Typescript, HTML/CSS, MongoDB
Frameworks and Libraries: Reactjs/Nextjs, Node.js, ShadCN-UI, FastAPI, RestAPI, pandas, NumPy, Matplotlib

CERTIFICATIONS

Front-End Web development - (Meta Certification, Coursera)
Artificial Intelligence with Machine Learning - (IIT Roorkee)
Understanding Basics of React - Association of Computer Machinery (ACM)
Responsive Web Developer - (FreeCodeCamp)
Supervised Machine Learning: Regression and Classification - Stanford (Coursera)

LEADERSHIP POSITIONS

Web Development Lead –Breeze 2024, Shiv Nadar University

- Managed a skilled team of 10+ web designers and developers to construct a robust e-commerce site for Breeze 2024; the platform is now utilized by over 1,000 event registrants, ensuring seamless transactions.